

**Start and quit vi:**

- \$vi *f* Edit existing file *f*, or, if it does not exist, create and edit new file *f*.
- ZZ Save text document to file and quit vi.
- :q! Quit vi without saving text document to file.

**Get to the Input Mode from the Command Mode:**

- i Insert text before the current character.
- I Insert text at beginning of current line.
- a Append text after the current character.
- A Append text at end of current line.
- o Open a new blank line below the current line.
- O Open a new blank line above the current line.
- r Replace a single character. Return to Command Mode automatically.
- R Replace characters until <esc> is pressed.

**Get to the Command Mode from the Input Mode:**

- <esc> Get to the Command Mode from the Input Mode.

**Move the cursor in the Command Mode:**

- l Move cursor forward one character.
- <space> Move cursor forward one character.
- h Move cursor back one character.
- w Move cursor forward one word.
- 3w Move cursor forward three word.
- W Move cursor forward one blank-delimited word.
- b Move cursor back one word.
- B Move cursor back one blank-delimited word.
- j Move cursor down one character.
- <ret> Move cursor to beginning of next line.
- k Move cursor up one character.
- Move cursor to beginning of previous line.
- H Move cursor to top of screen (home).
- M Move cursor to middle of screen.
- L Move cursor to bottom of screen.
- <ctl-f> Move cursor forward to next screen.
- <ctl-b> Move cursor back to previous screen.

**The Command Mode:**

- u Undo what you just did.
- U Restore the current line, even after several changes.
- . Repeat the most recent command that made a change.
- x Delete the current character.
- 3x Delete the next three characters.
- dd Delete the current line.
- 3dd Delete three lines starting with the current line.
- dw Delete from cursor to end of word.

3dw	Delete from cursor to end of third word.
dW	Delete from cursor to end of blank-delimited word.
d0	Delete from cursor to beginning of line.
D	Delete from cursor to end of current line.
cc	Change the current line.
cw	Change from cursor to end of word.
C	Change from cursor to end of current line.
J	Join the current line with the next line.

**The Last Line Mode:**

:	Get to the Last Line Mode from the Command Mode.
<ret>	Get to the Command Mode from the Last Line Mode.
:.=	Display the current line number.
:1	Move cursor to line 1.
:24	Move cursor to line 24.
:\$	Move cursor to last line.
:6,24d	Delete lines 6 through 24.
:. , 24d	Delete from the current line through line 24.
:1, .d	Delete from the first line through the current line.
:%d	Delete all lines. % is same as 1, \$.

**Copy and paste:**

yy	Yank (copy) the current line into the buffer.
3yy	Yank 3 lines starting with the current line into the buffer.
Y	Yank from the cursor to the end of the line.
3dd	The three deleted lines are placed in the buffer (cut).
p	Put (paste) the contents of the buffer just after the current line.
P	Put the contents of the buffer just before the current line.

**Files:**

:f	Identify the current file.
:w	Write your text document to the current file (save).
:1, .w <i>f</i>	Write lines 1 through the current line to the new file <i>f</i> .
:. , .+8w <i>f</i>	Write the current line plus the next 8 lines to the new file <i>f</i> .
:1, .w! <i>f</i>	Overwrite lines 1 through the current line to the old file <i>f</i> .
:r <i>f</i>	Read file <i>f</i> into the text document just after the current line.

**Searching:**

/str	Search for the next string <i>str</i> after the cursor.
/	Repeat the search for the next string after the cursor.
?str	Search for the next string <i>str</i> before the cursor.
?	Repeat the search for the next string before the cursor.
/^str	Search for the string <i>str</i> at the beginning of a line.
/str\$	Search for the string <i>str</i> at the end of a line.

**Multiple substitutions:**

- `:s/str1/str2/` Replace the first occurrence of *str2* with *str1* on the current line.
- `:%s/str1/str2/` Replace the first occurrence of *str2* with *str1* on all lines.
- `:s/str1/str2/g` Replace all occurrences of *str2* with *str1* on the current line.
- `:%s/str1/str2/g` Replace all occurrences of *str2* with *str1* on all lines.
- `:%s/^/str/` Insert string *str* at the beginning of all lines.
- `:. . .+8s/^/str/` Insert string *str* at the beginning of the current line plus the next 8 lines.
- `:. . .+8s/str$/` Remove string *str* from the end of the current line plus the next 8 lines.

**Settings:**

- `:set autoindent` Turn on autoindentation.
- `:set noautoindent` Turn off autoindentation.
- `:set number` Display line numbers.
- `:set nonumber` Do not display line numbers.